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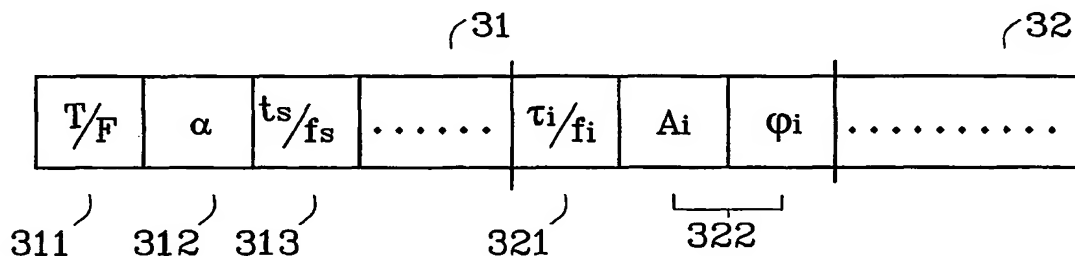
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(54) Title: **ADAPTIVE CHANNEL MEASUREMENT REPORTING**



(57) Abstract: The present invention relates to a method, arrangements, and a message format for achieving an improved and adaptive reporting of measurements for a communication channel between a transmitter and a receiver unit. The invention achieves a message format for providing detailed channel information to a transmitter unit but requiring a minimised amount of transmission capacity. The receiver unit delivers preferably incremental updatings of the filter function, represented in the time- or frequency domain, of the entire channel between transmitter and receiver. For this purpose the channel representing function is divided into a number of sub-functions, a function of which corresponding to the true channel filter function, and whereof the various sub-functions contain channel information of a ranked degree of significance.